California Regional Water Quality Control Board
Los Angeles Region

Winston H. Hickox
Secretary for Environmental Protection

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Gray Davis
Governor

April 14, 2000

Mr. J.O. Oltmans
Oltmans Construction Co.
1005 Missionmill Road
Whittier, CA 90608-0985

NO FURTHER ACTION FOR GROUNDWATER - FORMER DIVERSEY CORP. - 8921 DICE ROAD, SANTA FE SPRINGS - (FILE NO. 97-092)

Dear Mr. Oltmans:

We have reviewed a Report on the Groundwater Conditions at the subject site, prepared by Environmental Strategies Corporation (ESC), dated February 1, 2000.

The site is a former industrial detergent manufacturing plant. According to a May 1998, Phase I Environmental Assessment Report, "kerosene was used as the primary feedstock material for the detergent manufacturing process" at the site.

Site assessment data indicated that subsurface soil has been impacted with total petroleum hydrocarbons as kerosene (TPHk) and the groundwater has been impacted with TPH and chlorinated volatile organic compounds (VOCs).

Soil matrix and soil gas sampling data does not indicate the presence of an on-site source for the VOCs impacted groundwater. Therefore, on September 21, 1998, a no further action letter was issued for the VOCs impacted groundwater.

A dual phase soil vapor extraction system was implemented to remediate the TPHk impacted soil and groundwater. Following remedial activities, on April 15, 1998, a no further action letter was issued for the TPHk impacted soil. The letter required further groundwater monitoring.

The latest groundwater data indicated that TPHk concentrations are decreasing to less than 400µg/L and present a low risk to the environment. Therefore, we concur with ESC's request for no further action at this site.

If you have any questions regarding this matter, please contact Ms. Jenny M. Au at (213)576-6734.

Sincerely,

Dennis A. Dickerson
Executive Officer

Cc: Mr. Chris Bovaird, Rathon Corp.
Mr. Rick Freudenberger, ESC

California
Environmental Protection Agency

CASE REVIEW FORM

Los Angeles Regional
Water Quality Control Board

Date:	SLIC file no.:	Case reviewer: Jenny Au	
March 15,2000	694	Signature:_____	
Site Name/Address:	Responsible parties:	Address:	Phone no.:
Former Diversey Corp. 8921 Dice Road Santa Fe Springs, 90670	**Rathon Corp.**	**1155 Notre-Dame Street East Montreal, Quebec, H2L 2R5, Canada**	**625-590-6340**

I. CASE INFORMATION

Area of Concern	Contaminant Source	Chemicals of Concern	Source Status	Date of Action
1	Sump	Kerosene	Removed	1990
2				
3				
4				

II. SITE CHARACTERIZATION INFORMATION

GW Basin:	Beneficial uses:	Depth to drinking water aquifer:	
Central Los Angeles	MUN, IND, PROC, AGR	200 feet	
Distance to nearest municipal supply well: <1/2 mile (City of Santa re Springs Well #1)		Distance between known shallow GW contamination and aquifer: 154 feet	
GW highest depth: 32 ft	GW lowest depth: 46 ft	Well screen interval: 21.81-61.81 ft BGS	Flow direction: south/southwest
Soil types: sand & gravel		Maximum soil depth sampled: 25 feet	

III. MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS IN SOIL

Contaminant	Soil (mg/kg)		PRGs		Soil Screening Level (mg/kg)	Contaminant	Soil (mg/kg)		PRGs		Soil Screening Level (mg/kg)
	Earliest (date)	Latest (date)	Res (mg/kg)	Ind (mg/kg)			Earliest (date)	Latest (date)	Res (mg/kg)	Ind (mg/kg)	

IV MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS IN GROUNDWATER

Contaminant	Groundwater (µg/L)		Maximum Contaminant Level (µg/L)	Contaminant	Groundwater (µg/L)		Maximum Contaminant Level (µg/L)
	Earliest (7/96)	Latest (1/00)			Earliest (date)	Latest (date)	
Kerosene	Free product	<400	N/A	MTBE		<0.5	13
Benzene		0.9	1				
Toluene		<0.5	150				
Ethylbenzene		<0.5	700				
Xylene		<1.5	1750				

V. SOIL REMEDIATION

Method: Dual-phase soil vapor extraction	Duration of remediation: 11 months

VI. GROUNDWATER REMEDIATION

Method: Dual soil vapor extraction	Duration of remediation: 11 months

VII. FREE PRODUCT:

Was free product encountered? Yes	Has free product been totally recovered? Yes
When was free product recovery project completed? 3/13/98	

VIII. RECOMMENDED ACTION:

Soil Closure only: No	Case Closure: Yes	Solvent Case? No
Additional Action Required (i.e.: additional site assessment, remediation, monitoring):		

IX. COMMENTS AND JUSTIFICATION FOR RECOMMENDED ACTION:

The site is a former manufacturing plant for liquid cleaning compounds, insecticides, and antifreeze. Kerosene was used as the primary feedstock material for the detergent manufacturing process.

Previous site assessment data indicate that subsurface soil has been impacted with TPHk (kerosene) and the groundwater has been impacted with both TPHk and chlorinated volatile organic compounds (VOCs). Soil matrix and soil gas sampling data does not indicate the presence of an on-site source for the VOCs impacted groundwater. Therefore, on September 21, 1998, a no further action letter was issued for the VOCs impacted groundwater.

A dual phase soil vapor extraction system was implemented to remediate the TPHk impacted soil and groundwater. Following remedial activities, on April 15, 1998, a no further action letter was issued for the TPH impacted soil. The letter required further groundwater monitoring.

Gw monitoring data indicated that the TPHk impacted groundwater is limited to MW-4 and the latest TPHk concentration has decreased to <400µg/L. In addition, groundwater data indicated that MTBE and BTEX concentrations are below maximum contaminant levels (MCLs). The source of contamination (sump) has been removed. TPHk impacted soil have been remediated. The nature and limited extent of TPHk detected in the gw presents a low risk to the environment. Therefore, staff recommends no further action at this site.